## CLAIMS

WHAT IS CLAIMED IS:

1. An air distribution module for a vehicle heating, ventilation and air conditioning system comprising:

a housing;

a heating means;

an evaporator means;

a door;

a baffle;

a first conduit for a first air flow;

a second conduit for a second air flow;

an opening between said first and second conduits for merging said first and second airflows in a mixing region;

wherein the baffle is located within the door.

2. An air distribution module according to claim 1 wherein the door is a blend door.

3. An air distribution module according to claim 2 wherein the blend door is a barrel door.

4. An air distribution module according to claim 1 wherein the baffle is a cross-flow baffle.

5. An air distribution module according to claim 3 wherein the baffle is a cross-flow baffle.

6. An air distribution module for a vehicle heating, ventilation and air conditioning system comprising:

a housing;

a heating means;

an evaporator means;

a baffle/blend door assembly;

a first conduit for a first air flow;

a second conduit for a second air flow;

an opening between said first and second conduits for merging said first and second airflows in a mixing region;

wherein the baffle/blend door assembly downstream of the heater means and the evaporator means.

7. An air distribution module according to claim 6 wherein said baffle/blend door assembly comprises a barrel door.

8. An air distribution module according to claim 6 wherein said baffle/blend door assembly comprises a cross flow baffle.

9. An air distribution module according to claim 7 wherein said baffle/blend door assembly comprises a cross flow baffle.

10. An air distribution module according to claim 9 wherein the baffle is attached or functionally fitted into the housing.

11. An air distribution module for a vehicle heating, ventilation and air conditioning system according to claim 10 wherein the baffle/blend door assembly comprises an attachment means of baffle and barrel door to the housing by means of sliding.